

# Recombinant Full Length Human GAPDH Protein, GST-tagged

**Cat. No.** GAPDH-180HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human GAPDH full-length ORF (1 a.a. - 335 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	1 a.a. - 335 a.a.
<b>Description</b>	The product of this gene catalyzes an important energy-yielding step in carbohydrate metabolism, the reversible oxidative phosphorylation of glyceraldehyde-3-phosphate in the presence of inorganic phosphate and nicotinamide adenine dinucleotide (NAD). The enzyme exists as a tetramer of identical chains. Many pseudogenes similar to this locus are present in the human genome. Two transcript variants encoding different isoforms have been found for this gene.
<b>Molecular Mass</b>	62.59 kDa
<b>AA Sequence</b>	MGKVKVGVNG FGRIGRLVTR AAFNSGKVDI VAINDPFIDL NYMVYMFQYD STHGKFHGTV KAENGKLVIN GNPITIFQER DPSKIKWGDA GAEYVVESTG VFTTMEKAGA HLQGGAKRVI ISAPSADAPM FVMGVNHEKY DNSLKIISNA SCTTNCLAPL AKVIHDNFGI VEGLMTTVHA ITATQKTVDG PSGKLWRDGR GALQNIIPAS TGAAKAVGKV IPELNGKLTG MAFRVPTANV SVVDLTCRLE KPAKYDDIKK VVKQASEGPL KGILGYTEHQ VVSSDFNSDT HSSTFDAGAG IALNDHFVKL ISWYDNEFGY SNRVVDLMAH MASKE

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<b>Applications</b>	ELISA; WB-Re; AP; Array
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	GAPDH glyceraldehyde-3-phosphate dehydrogenase [ Homo sapiens (human) ]
<b>Official Symbol</b>	GAPDH
<b>Synonyms</b>	GAPDH; G3PD; GAPD; glyceraldehyde-3-phosphate dehydrogenase; aging-associated gene 9 protein; peptidyl-cysteine S-nitrosylase GAPDH; EC 1.2.1.12
<b>Gene ID</b>	2597
<b>mRNA Refseq</b>	NM_002046
<b>Protein Refseq</b>	NP_002037
<b>MIM</b>	138400
<b>UniProt ID</b>	P04406

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